Unless otherwise noted, all code references are to 49CFR Part 192. If an item is marked Unsatisfactory, Not Applicable, or Not Checked, an explanation must be included in this report.

Operator: AMEREN ILLINOIS COMPANY	Operator ID#: 32513
Inspection Date(s): 11/1/2012 (Half)	Man Days: 0.5
Inspection Unit: Lincoln Storage	
Location of Audit: Lincoln	
Exit Meeting Contact: J.R. Jennings – Supervisor Northern Storage Fields	
Inspection Type: Design Testing and Construction	
Pipeline Safety Representative(s): Jim Watts	
Company Representative to Receive Report: Michael Fuller	
Company Representative's Email Address: mfuller2@ameren.com	

incoln Storage field at ave Stinnett	Construction KS Energy So	n Performed By: ervices
	KS Energy Se	ervices
ave Stinnett		
	Dave Stinnett	
3rd Party Inspection - Harvey Schofield		
Person(s) On J	Job Site	
Lee Nelson - La	.aborer	John Higgenbotham - Operator
Marvin Plunk - I	Laborer	Harvey Schofield - 3rd Party Inspector
	Person(s) On Lee Nelson - L	Person(s) On Job Site Lee Nelson - Laborer Marvin Plunk - Laborer

Description of Construction:

Staff observed two directional bores and pipe pull in performed while installing 2 road crossings at 700 Avenue and 1300 Street. The new piping being installed is replacing existing well and collection system piping.

MAIN INSTALLATION		Status
192.55	Steel	Yes
192.59	PE	No
General Comment:	·	•
No pe piping was installed during the	audit.	
192.59	Other	No
General Comment:	•	<u>'</u>

Unless otherwise noted, all code references are to 49CFR Part 192. If an item is marked Unsatisfactory, Not Applicable, or Not Checked, an explanation must be included in this report.

No other types of piping were installed during the audit	:	
192.5	Class location :	Class One
192.619,192.621,192.623	MAOP	833
192.63	Pipe Size :	3 and 4 inch
192.55,192.59	Specification :	API 5L
192.55,192.59	Manufacturer:	MidStates
192.55,192.59	Pipe Grade :	X42/X52
192.55,192.59	Wall Thickness :	4237 3216
192.63(a)(2)	Are pipe, valves, and fittings properly marked for identification?	Satisfactory
General Comment:		
New valves, pipe and flanges were observed marked a	as required.	
192.227	Date of Welder qualification:	5/31/2012
192.227	Welder's Name:	Terry Schutt
192.225,192.275,192.277,192.279,192.283	Is pipe joined in accordance with approved written procedures?	Satisfactory
192.285	Date of Plastic Joining Qualification :	Not Applicable
General Comment:		
No pe fusion was performed during the audit.		
192.285	Joiner's name:	Not Applicable
General Comment:		
No pe joining was performed during the audit.		
192.455	Is buried metallic pipe coated?	Satisfactory
General Comment:		
Steel pipe was coated with Valspar Pipeclad 2000. Th	e pipe print line indicated 15-17 mils thickness.	
192.461	Does coating meet 192.461?	Satisfactory
General Comment:		
Valspar epoxy coating.		
192.455(a)(1)	Is cathodic protection being provided?	Satisfactory
General Comment:		
Piping will be cathodically protected using rectifiers up	on completion of the piping installation.	
192.455(a)(1)	Is cathodic protection being provided? By Anodes:	No
General Comment:		

Unless otherwise noted, all code references are to 49CFR Part 192. If an item is marked Unsatisfactory, Not Applicable, or Not Checked, an explanation must be included in this report.

No anodes are used for cathodic protection.		
192.455(a)(1)	Is cathodic protection being provided? By Rectifier:	Yes
General Comment:		
All piping in the storage field is protected using rectifie	ers.	
192.461(c)	Is coating inspected just prior to being installed in the ditch?	Satisfactory
General Comment:		
The 3rd party inspector with Ameren performed pipe of performing the bore. The jeeping was not observed a	inspections as the piping was pulled in to the bore opening. The piping was also jeens part of the inspection.	eped for damage prior to
192.467	Are pipelines electrically isolated from other underground metallic structures?	Satisfactory
General Comment:		
Storage field piping is isolated from the well piping us	ing an insulated flange.	
192.479	Are above ground facilities cleaned and coated or jacketed as needed?	Not Applicable
General Comment:		
Above ground piping installations were not completed	but will be painted after completing the installations to protect against atmospheric	corrosion.
192.303	Are comprehensive written construction specifications available and adhered to?	Satisfactory
General Comment:		
Ameren construction standards and O and M were pr	esent at the job site.	
192.305	Are inspections performed by the operator to check adherence to the construction specifications?	Satisfactory
General Comment:		
Ameren had a third party inspector on site to observe	the piping installations.	
192.307	Is material being visually inspected at the site of installation to ensure against damage that could impair its serviceability?	Satisfactory
General Comment:		
Piping and materials were being inspected by the ons	ite inspector.	
192.319	Is ditch back-filled to provide firm support and prevent damage to pipe or coating?	Satisfactory
192.321(c)	Is plastic pipe installed as to minimize shear and tensile forces?	Not Applicable
General Comment:		
No pe piping was installed during the inspection.		
192.321(e)	Does plastic pipe have means of locating while underground?	Not Applicable
General Comment:		

AMEREN ILLINOIS COMPANY/11-1-2012

Unless otherwise noted, all code references are to 49CFR Part 192. If an item is marked Unsatisfactory, Not Applicable, or Not Checked, an explanation must be included in this report.

No pe piping was installed during the in	spection.	
192.325	Are required clearances from underground structures being maintained?	Satisfactory
192.327	Is required cover being obtained appropriate to type of pipeline and location?	Satisfactory
General Comment:		
The pipe was installed with a minimum	of 48 inches of cover.	
192.503	Are general testing requirements being met?	Not Checked
General Comment:	•	
No pressure testing was performed dur	ing the audit.	
192.517	Are records being made of strength and leak tests?	Not Checked
General Comment:	<u> </u>	
No pressure tests were performed during	ng the audit but are documented using pressure recording charts.	
192.807	Were covered employees Operator Qualification records reviewed to ensure qualification?	Satisfactory
General Comment:	<u> </u>	
Staff reviewed the qualifications of the observed.	personnel on site who were performing covered tasks. The contractor employees were all qualifie	ed for the tasks being
192.805(c)	Were non-qualified personnel being "directed and observed" by a qualified individual?	Not Applicable
General Comment:		
No non-qualified personnel were prese	nt at the job site.	
192.805(c)	Were span of control limitations being followed?	Not Applicable
General Comment:		
There were no non-qualified personnel	at the job site. All personnel were qualified for the tasks performed.	
Was a Protocol 9 (Form 15) Co	mpleted?	Yes
192.614	Were One Call Notifications performed as required?	Satisfactory
192.614	Dig Ticket #	Not Applicable
192.614 General Comment:	Dig Ticket #	Not Applicable

Unless otherwise noted, all code references are to 49CFR Part 192. If an item is marked Unsatisfactory, Not Applicable, or Not Checked, an explanation must be included in this report.